

# motion-picture standards

## Proposed SMPTE Recommended Practice

A Proposed SMPTE Recommended Practice, Patch Splices in 2-in. Video Magnetic Tape, is published here for a three-month period of trial and criticism. All comments should be sent to J. Howard Schumacher, Staff Engineer, prior to January 15, 1960. If no adverse comments are received, the proposal will then be submitted to the Society's Board of Governors for approval as an SMPTE Recommended Practice.—*J.H.S.*

### Reaffirmation of American Standards

American Standards PH22.46-1946, reaffirmed 1953, 16mm Positive Aperture Dimensions and Image Size for Positive Prints Made From 35mm Negatives; PH22.47-1946, reaffirmed 1953, Negative Aperture Dimensions and Image Size for 16mm Duplicate Negatives Made From 35mm Positive Prints; and PH22.92-1953, Enlargement Ratio for 16mm to 35mm Optical Printing, were reviewed by the Laboratory Practice Committee, Standards Committee, PH22, and on September 14, 1959 were reaffirmed without change by the ASA as PH22.46-1946, R1959; PH22.47-1946, R1959; and PH22.92-1953, R1959.

Copies of these standards are available at thirty-five cents each on order from the American Standards Association, Incorporated, 70 East 45 St., New York 17.—*J. Howard Schumacher, Staff Engineer.*

### Video Magnetic Tape Leader

Proposed American Standard Specifications for Video Magnetic Tape Leader, PH22.115, has been approved by the Video-Tape Recording and Standards Committees and will be published in the November 1959 *Journal* for its three-month trial period.

Advance copies of this Proposed American Standard may be obtained by writing the Staff Engineer in care of Society Headquarters.—*J. Howard Schumacher, Staff Engineer.*

## Proposed SMPTE Recommended Practice RP5 Patch Splices in 2-in. Video Magnetic Tape

### Introduction

This Recommended Practice originated in the Video Tape Recording Committee as a Proposed American Standard. At the November 12, 1958, meeting of the Committee it was decided that industry needs could best be met in this instance by an SMPTE Recommended Practice. The proposal was approved by the Video Tape Recording and Standards Committees.

### Recommendations

#### 1. Scope

1.1 This Recommended Practice specifies the dimensions and location of patch-type splices in magnetic video tape of 2-in. width. The recommendations are intended primarily for application in recording and reproducing studio practice.

#### 2. Location of the Splice

- 2.1 The angle of the cut with respect to the guided edge of the tape shall be as given in the diagram and table.
- 2.2 The cut shall be centered between two recorded video tracks and so located as to maintain continuity of video synchronizing pulse timing (Note 1).
- 2.3 The separation between the two cut edges after splicing shall not exceed 0.001 in. at any point along the cut.
- 2.4 The longitudinal distance between corresponding points on the recorded transverse video tracks immediately preceding and following the splice shall not depart from the average distance between successive tracks by more than  $\pm 0.0005$  in. (Note 1).

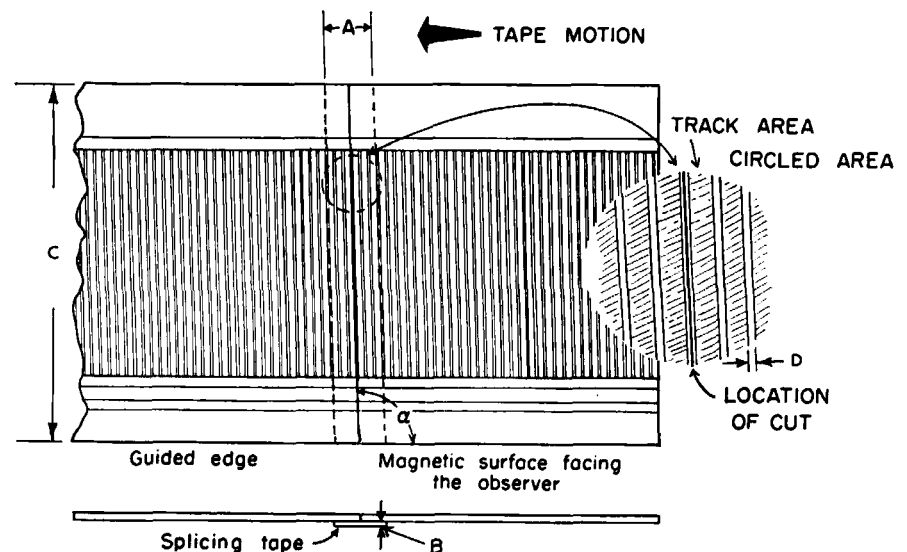
#### 3. Splicing Tape

3.1 The dimensions of the splicing tape shall be as given in the diagram and table.

#### 4. Characteristics of the Splice

- 4.1 The splicing tape on a finished splice shall not extend beyond the edges of the magnetic video tape.
- 4.2 The guided edge of the magnetic tape on either side of a splice shall lie on a common straight line when the tape surface is constrained to lie in a plane.

Note 1: Paragraphs 2.2 and 2.4 apply only to recorded tapes.



Dimension	Inches
A Width of splicing tape	0.25 nom
B Thickness of splicing tape	0.0007 max
C Width of magnetic tape	2.0 nom
D Distance between recorded tracks	0.0056 nom
$\alpha$ Angle of cut	$90^\circ 33' \pm 3'$

NOTE:-  
Drawing not to scale